

De—identify Patient • Apply unique Synergy patient identifier data • Remove original patient identifier data

101

SITE

Daily Envoy Claims Data (Rx, Mx, Hx) 5 • Secure data transmission

102

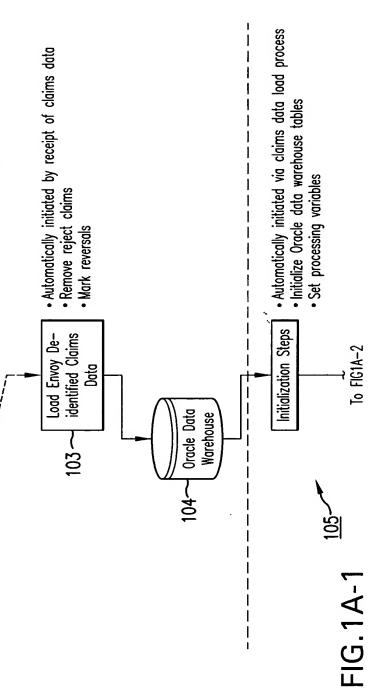
• Rx-Pharmaceutical claims 190-

Mx-Medical claims
 Hx-Hospital claims

SITE 2

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Series product • Creates "cube" files which will be deployed to production web site Email is automatically sent to "cube available for QA" distribution list One process initiated for each cube within each QUINTERNET One process initiated for each cube within each QUINTERNET Create a table with appropriate claims data for processing • Pull appropriate medical claims diagnosis codes Create member identification numbers Applies clinical logic to claims data
Aggregates data Series product Notify Synergy QA team of cube(s) FIG.1A-2 creation Secure data transmission Process Steps 1,2, Get memids and Build "Cube" files (data marts) via Pull Appropriate From FIG1A-1 Clinical Logic/ Aggregation Mx diags RSSERVER and 3 Data (*.mdc) to server (synolap 1) in Richardson, TX FTP cube files /coduos_dev) files (*.mda) for FTP delivery to Richardson, TX Create meta data • One process initiated for each cube within each QUINTERNET Series process initiated for each Automatically initiated from Where appropriate, one cube within each QUINTERNET Series RSSERVER processes product product

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 Approval process initiates FTP of metadata file to Richardson, TX Quality Assurance check validates cubes before being deployed to production Enable cubes in environment for Quality Assurance check FIG. 1B-1 Secure data transmission Serve up cube files for QA Synergy QAs cubes cube files (*.mdc) Verify receipt of and approves production deployment 106 706 to server (synolap) in Richardson, TX Process initiated daily at 8:05 pm Verify receipt of metadata Copy metadata (*.mda) files from/cognos_dev FTP meta data (*.mda) Automatically generate web pages using new (/cognos dev/meta) meta data files cognos_prod files (* mda) To FIG1B-2 Secure data transmission metadata files and cube files have been received for cube deployment development directory to · Where appropriate, copy Where appropriate, validate that metadata files from processing directory SIE SIE to production

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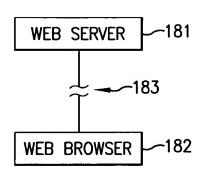


FIG.1C

 Triggered by FPA upon receipt of flag files from the Triggered by FPA upon receipt of flag file from Rx data load Triggered by FPA upon receipt of flag file from Weekly Pull Upon process completion, each category process Creates Multiple categories for each TC are synchronised before Each TC process Creates flag file for FPA Upon process completion, creates flag file for FPA Cognos Cube file name: mm****.mdc • One process kicked off for each TC One process kicked off for each category. Creates a table with 1 week of data merge tables processes. flag file for FPA merging. Cube build steps 1,2 & 3 running rsserver tables Stage Create Cube Weekly Pull TO FIG.2B Merge Sync Load Envoy Rx Antibiotics (Pediatric) Reumatoid Arthritis Data 103 Antibiotics (Adult) Antihypertensives ongh & Cold holesterol: epression mpotence 105 **Diabetes** migraine **Antivira Isthma** besity Triggered by eron job upon receipt of Rx data Upon process completion, creates flag file for FPA Loads Oracle database Where **** is: -nsaid -obes -dep -hyp -chol

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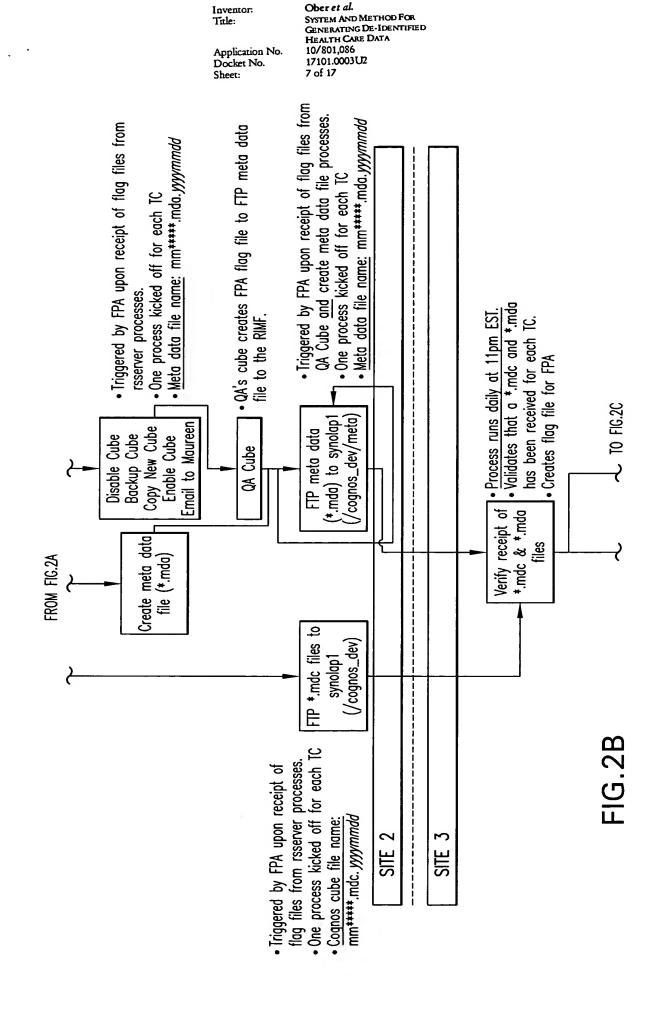
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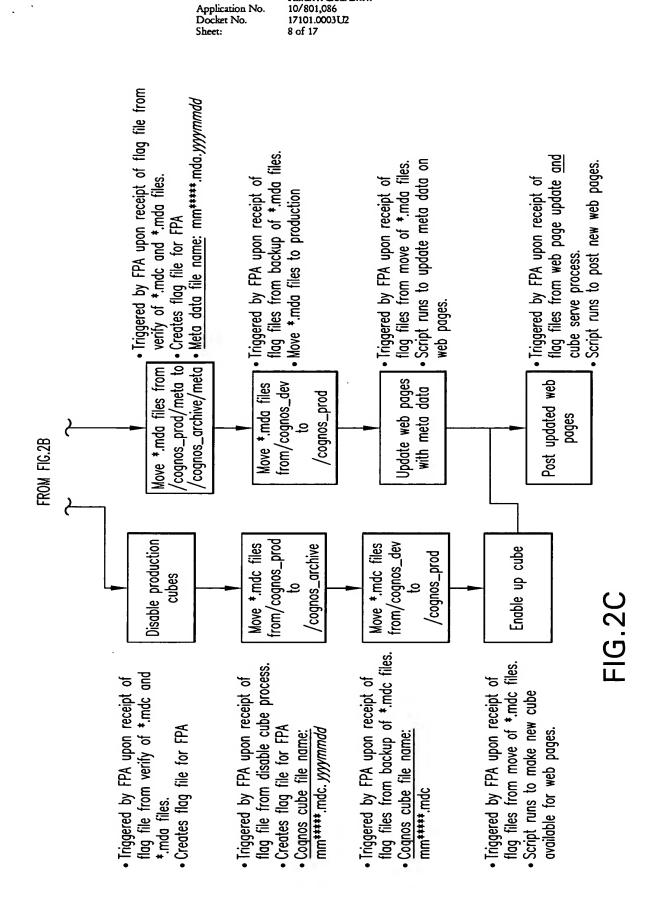
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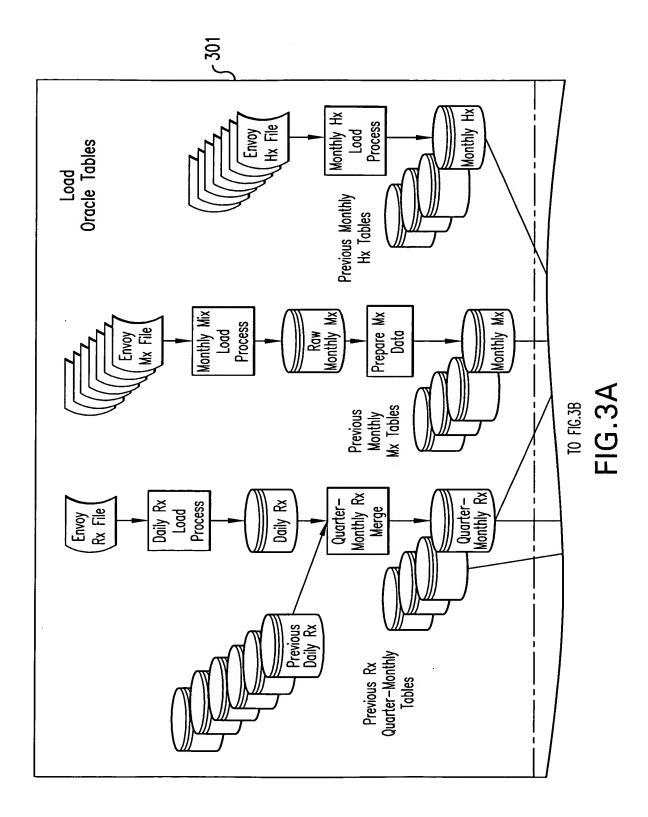
Tale:

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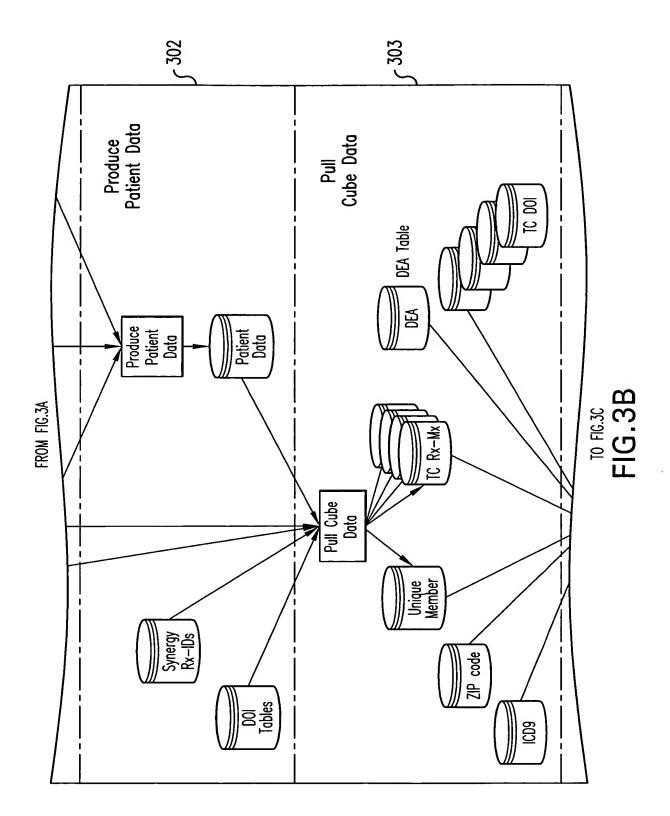
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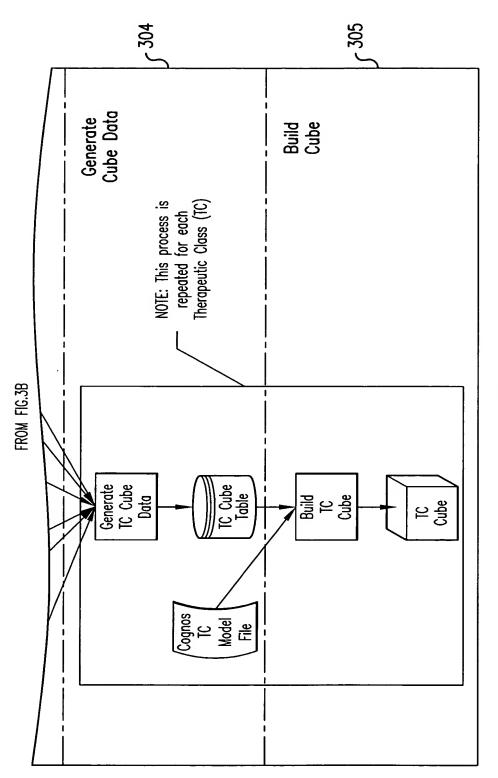
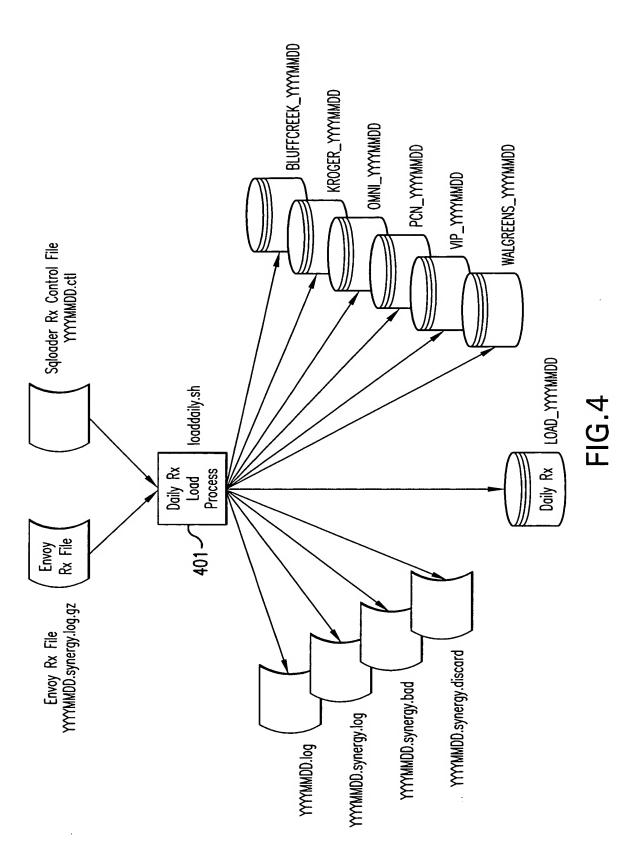


FIG.3C

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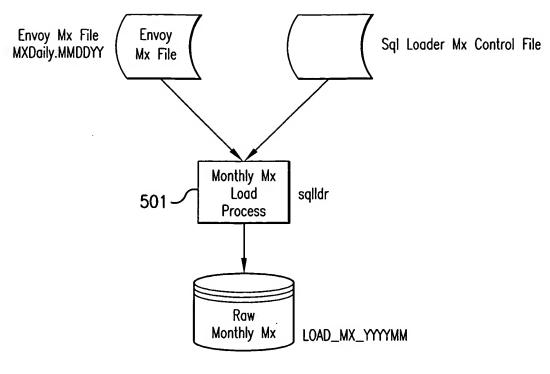


FIG.5

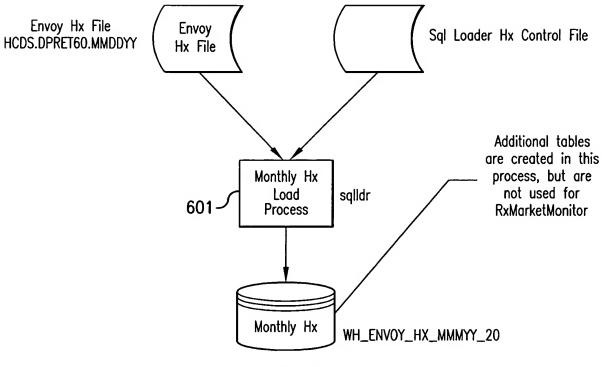


FIG.6

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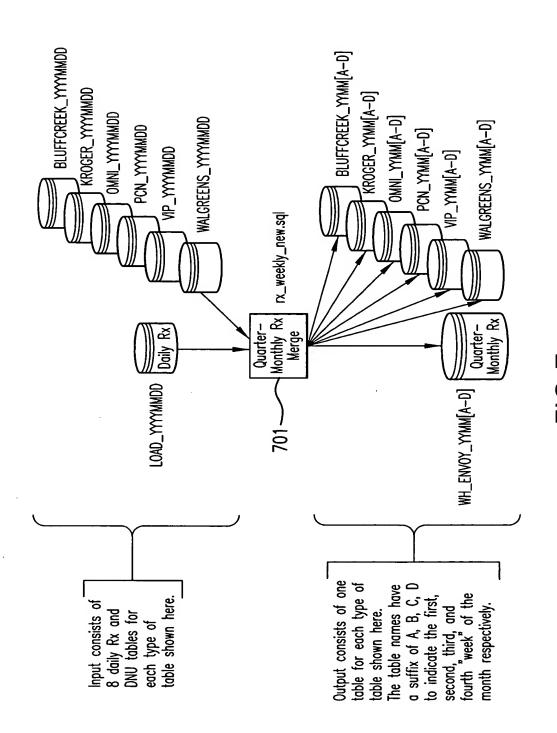


FIG.7

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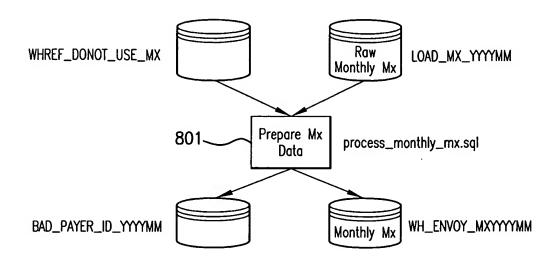


FIG.8

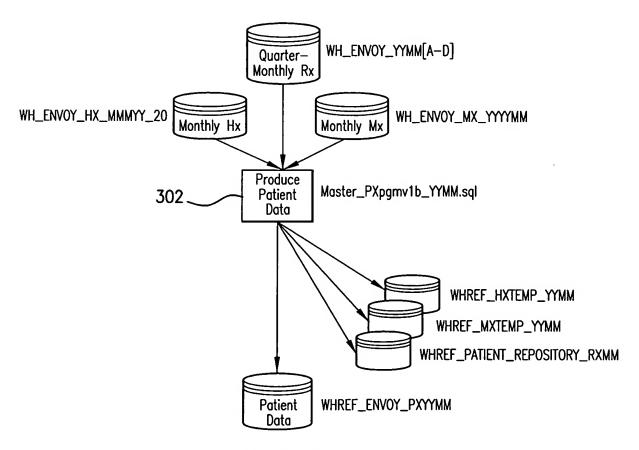


FIG.9

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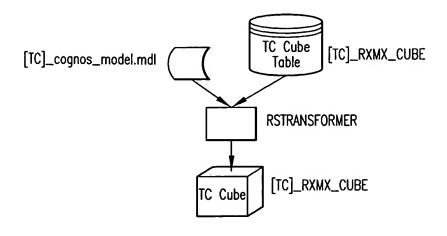


FIG.9A

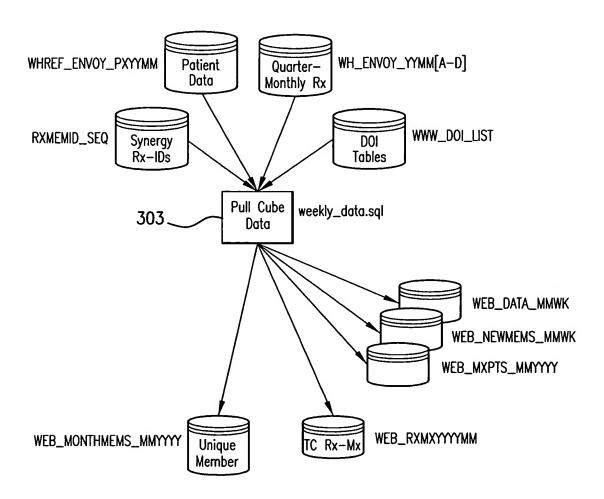


FIG.10

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